

Appendix D:

Associate of Science Transfer Degree Track 2: Engineering, Physics, and Atmospheric Sciences¹³

Effective Fall 2009; Updated Spring 2017, Computer Science removed 2025

The Associate of Science Transfer Degree Track 2 is designed to prepare students for upper division study in the areas of engineering, physics, and atmospheric science. Completing the AS-T Track 2 degree will prepare students for upper division study; it does not guarantee students admission to the major.

To prepare students for upper division study, the Associate of Science Transfer Degree Track 2 should possess the following characteristics:

- I. Be issued only to students who have earned a cumulative grade point average of at least 2.00, as calculated by the degree awarding institution.
- II. Be based on 90 quarter hours of transferable credit distributed as follows:
 - A. *Communication Skills (minimum 5 credits).*
 1. Minimum 5 quarter credits in college-level composition course.
 - B. *Mathematics (10 credits).*
 1. Two courses (10 credits) required at or above introductory calculus level. (See also D.3. below.)
 - C. *Humanities and Social Science (minimum 15 credits).* Courses taken at the community or technical college to meet the Humanities and Social Sciences requirements in the AS-T will be accepted toward those requirements and counted as General Education Requirements/General University Requirements (GERs/GURs) by the receiving institution – see Note 7.
 1. Minimum 5 credits in Humanities
 2. Minimum 5 credits in Social Science
 3. Additional 5 credits in either Humanities or Social Science for a total of 15 credits.
 - D. *Pre-major Program (25 credits).*
 1. Physics (calculus-based or non-calculus-based) sequence including laboratory (15 credits) (see Note 3).

¹³ Biological Sciences, Environmental/Resource Sciences, Chemistry, Geology, and Earth Sciences majors are referred to the Associate of Science Transfer Degree #1; Mathematics majors are referred to the Math Education Major Related Program based on the Direct Transfer Agreement Associate degree.

2. Chemistry with laboratory required for Engineering majors (5 credits). Other majors should select 5 credits of science based on advising.
 3. Third quarter calculus or approved statistics course chosen with the help of an advisor based on the requirements of the specific discipline at the baccalaureate institution the student plans to attend (5 credits).
- E. *Remaining Credits (35 credits)*. The remaining 35 credits should be planned with the help of an advisor based on the requirements of the specific discipline at the baccalaureate institution the student selects to attend.

Notes

1. Students completing this Associate of Science Transfer degree will receive the same priority consideration for admission to the baccalaureate institution as they would for completing the Direct Transfer Agreement Associate degree and will be given junior status by the receiving institution.
2. Courses taken under D. above must come from the Intercollege Relations Commission Handbook's "Courses Generally Accepted in Transfer" list to count as General Education Requirements (GER) or General Undergraduate Requirements (GURs) at the receiving institution. A graduate who has earned the Associate of Science Transfer degree will be required to complete only such additional lower division general education courses at the receiving four-year institutions of higher education as would have been required to complete the DTA Associate degree. Additional degree requirements such as cultural diversity requirements and world language requirements, as required by the receiving institution, must be met prior to the completion of a baccalaureate degree.
3. Students should be advised that some baccalaureate institutions require physics with calculus to meet D.1.
4. A maximum of five (5) credits from the ICRC Handbook's "Restricted Subject Areas for Transfer" list will be accepted in the remaining credits category (E. above).
5. Students are responsible for checking specific major requirements of baccalaureate institutions in the year prior to transferring.
6. Sequences should not be broken up between institutions (e.g., the typical three-quarter physics sequence should be taken entirely at one institution).
7. AS-T transfer students will have taken approximately the same number of GERs as their new peers took during their first two years at the baccalaureate institution, and will be expected to complete the institution's GERs on the same basis as students who started there as freshmen, thus providing comparable experience for freshman-entry and transfer

students. All courses approved as GERs by the community or technical college will be accepted as GERs by the baccalaureate institution.

- Institutions that automatically match transfer courses to comparable in-house courses will initially assign GER designations automatically.
- If this designation is different than that assigned by the community or technical college, students who believe that the community or technical college designation would be more beneficial may petition the baccalaureate institution to have the designation assigned consistent with the community or technical college designation.
- If there is no baccalaureate match for a community or technical college GER course, the baccalaureate institution will assign it to the same GER area as the sending community or technical college.
- Baccalaureate institutions may, if they do so with their freshman-entry students, disallow a specific GER when a student selects that discipline as the major. GERs are intended to assure a breadth of academic experience, so courses supporting the in-depth learning of the major may not be used for this purpose.